Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work:Improvements Of RCC Drains and CC Roads at adjacent Cross Roads In Anjaneya Temple Road and Other Roads In Mallasandra W-13 Shettyhalli Sub Division

					Est .Cost Rs.20.00 Lakhs				
Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 142/ Item No. 19.1/ PWD SR 2016-17								
	3rd Cross Drain	Cum	1	110.00	1.00	1.00	110.00		
	Near Uchangi Temple		1	50.00	1.00	1.00	50.00		
	3rd Cross CC Road		1	30.00	3.60	0.50	54.00		
	near ucchangi temple		1	70.00	4.20	0.50	147.00		
							361.00	**191.55**	**69149.55**
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 Page No.12/ Item No. 4.3/ PWD SR 2016-17								
	3rd Cross Drain	Cum	1	110.00	1.00	0.15	16.50		
	Near Uchangi Temple		1	50.00	1.00	0.15	7.50		
	3rd Cross CC Road		1	30.00	3.60	0.10	10.80		
	near ucchangi temple		1	70.00	4.40	0.10	30.80		
							65.60	**5726.51**	**375659.06**
3	KSSRB M400-7 Construction Of granular sub -base by providing coarse graded cushed stone aggregates of granite / trap / basalt material speading in uniform layers with motor grader on prepared surface,mixing by mix in place method with rotavator at OMC,and compacting with vibratory roller to achive the desired density. complete asper specification. **By mix in place method for Grading II Material** KSSRB Page No 156 Item No 20.6 and 20.6.3								
	3rd Cross CC Road		1	30.00	3.60	0.10	10.80		
	near ucchangi temple		1	70.00	4.00	0.10	28.00		
							38.80	**1756.66**	**68158.41**
4	Proveding and Laying plain reinforced cement concrete for side drains using m20 nominul mix concrete with OPC cement 300kgs. With 20mm and down size ganite metal course aggregates @0.69cum and fine aggregates @0.43cum machine mixed,well compacted for walls and bottom including centring,shuttring,cost of materails, HOM of machinaries. Complete Excluding cost of steel asper MORTH Specification no1500,1700,2200. Wall And Bottom thickness 15cm KSSRB Page No 265 Item No 37.59 and 37.59.2								
	3rd Cross Drain	Cum	1	110.00	0.90	0.10	9.90		
	Near Uchangi Temple		1	50.00	0.90	0.10	4.50		
	Side Wall		2	110.00	0.10	0.75	16.50		
			2	50.00	0.10	0.75	7.50		

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							38.40	**12246.05**	**470248.32**
5	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, including curing, finishing to lines and grades as per drawing complete as per specifications.**M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) Page o 177 Item No 22.6.1**									
	3rd Cross CC Road		1	50.00	3.80	0.15	28.50		
	near ucchangi temple		1	70.00	5.00	0.15	52.50		
							81.00	**6901.94**	**559057.14**
6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17								
	For RCC Drian	Tonnes		**38.40**	x	60kgs	1.77		
						Say	**1.77**	**66714.40**	**117844.32**
7	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. **Page No.178/ Item No.22.7, 22.8.1/ PWD SR 2016-17**								
	3rd Cross CC Road		1	50.00	3.50		175.00		
	near ucchangi temple		1	50.00	4.00		200.00		
							375.00	**105.89**	**39708.75**
8	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
	Near Uchangi Temple	**Sqm**	1	36.00		0.90	32.40		
	Missed Slab		40	0.60		0.90	21.60		
							54.00	**1864.80**	**100699.20**

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1800524.74

						Sub Total		1801240.92
9	KRIDL Charges (10+1%)							198136.50
10	Misc and other							622.58
						Grand Total		2000000.00
(Rupees twenty Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.
5 This work is not included in any other estimate.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. BBMP/EE/DD/AS/621/17-18 ದಿನಾಂಕ: 27.02.18
Rs. 20.00 Lakhs
Rupas Twenty Lakh Only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು ಅನುಮೋದನೆ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. BBMP/EE/DD/TS/602/17-18 ದಿನಾಂಕ: 27/2/18
ರೂ. Rs. 20.00 Lakhs
Rupees Twenty Lakhs Only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಶಾಂತಿಪ್ರಿಯ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

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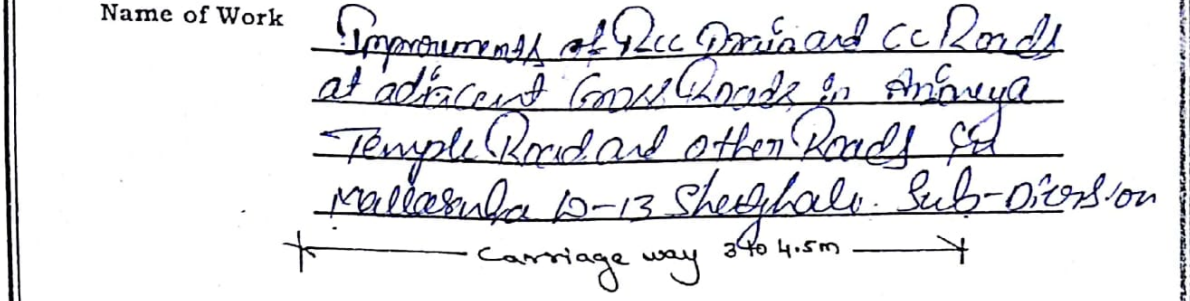
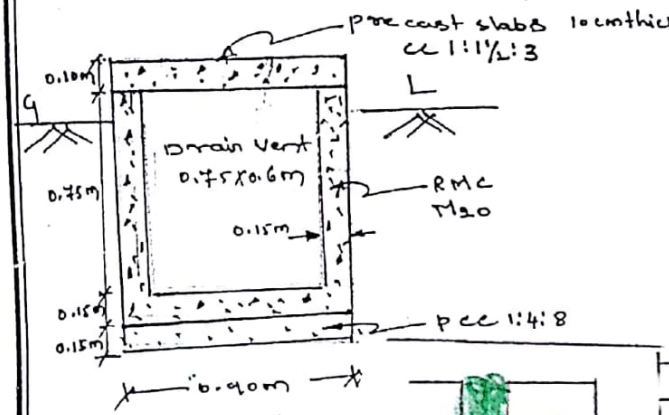
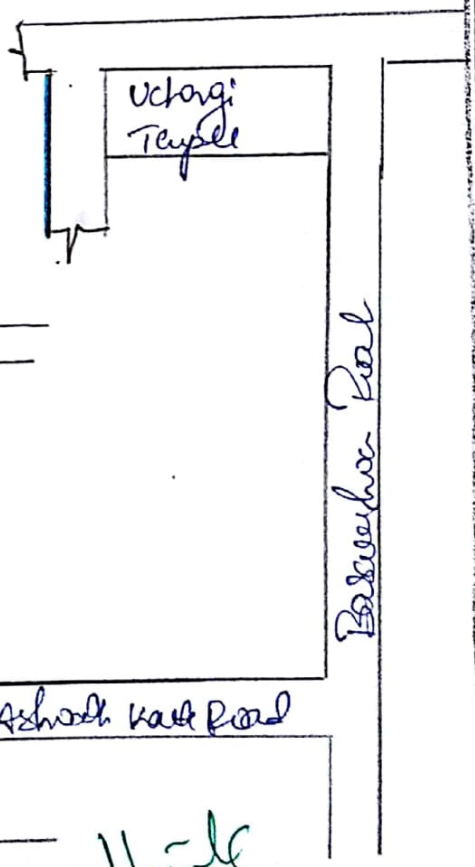
Name of Work: Improvements of Rcc Drain and cc Roads at adjacent Cross Roads in Anjaneya Temple Road and other Roads in Mallasandra D-13 Shettyhalli Sub-Division


Carriage way 3 to 4.5m
0.15m Concrete pavement with M40
0.15m Dry lean concrete cc 1:5:10
Existing Concrete Drain
BWSSB Trench
Existing old concrete surface
0.2 to 0.25m GSB
Existing Concrete Drain

Typical c/s of cc Road Surface



c/s of RCC Drain



Index

Rcc Drain :

CC Road :

Asst.Engineer
Ward No.13

Asst.Executive Engineer
Shettyhalli Sub Division, Dasarahalli Zone
BBMP Bangalore.

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